Data Scientist/Data Analyst

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RONI MATHEW

Education

MSc DATA SCIENCE University of Salford, Manchester   January 2022-May 2023

BSc MATHEMATICS Kannur University – India   June 2018- April 2021

Certifications

IBM DATA ANALYST PROFESSIONAL CERTIFICATE

Skills

- **Programming:** Python, SQL, R
- **Python Libraries:** NumPy, Pandas, Seaborn, Matplotlib, Scikit-learn
- **Machine Learning**: Classification Analysis, K-means Clustering, Regression Analysis, Decision Tree
- **Tools**: Microsoft Office, SQL Server Management Studio, Databricks
- **Environments**: Jupyter Notebook, Visual Studio Code, Anaconda, Google Collab
- **Reporting & Visualisation Tools:** PowerBI, Tableau
- **Version Control**: Git, GitHub
- **Excel**: Pivot Table, Pivot Chart, VLOOKUP, HLOOKUP, Dashboard Building
- **Data Analysis:** Data transformation, Data cleaning, Exploratory Data Analysis, Data Visualization, Predictive Model Creation, Statistical Analaysis, Feature selection, Model Evaluation

Projects

VIDEO GAME SALES ANALYSIS TABLEAU

- Developed a user-friendly **Tableau** dashboard to visualize and analyze key trends in video game sales.

ESTIMATION OF OBESITY LEVELS

- Finding relationships between eating habits, physical activity, and obesity.
- Developing a **regression** model to predict obesity.

STUDY ON GREENHOUSE GAS EMISSION BY COUNTRIES

- Examining greenhouse gas emissions by 15 countries and investigating their impact on climate change.
- Developed an interactive **PowerBI** dashboard.

COFFEE SALES ANALYSIS WITH EXCEL

- Examining coffee sales data.
- Developed a dashboard using **Microsoft Excel**.

Academic Projects

PREDICTING CARDIOVASCULAR DISEASE BY USING MACHINE LEARNING

- Used **Machine Learning** to understand features and predict cardiovascular disease.
- Employed classification algorithms like **Artificial Neural Networks, Decision Trees,** and **k-Nearest Neighbour.**
- The K-Nearest Neighbour (KNN) model outperforms others.